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REMARKS

Claim 30 stands rejected as depending upon a rejected base claim, but the Examiner indicated that this claim would be allowable if rewritten in independent form to include the feature of the base claim and any intervening claim. Claim 30 has been rewritten to include the feature of base claim 1.

Claim 27 stands rejected under 35 USC 112, first paragraph. The Examiner states that the specification is enabling for applying a coating of maleic anhydride to polar particulates already applied to a film, but does not reasonably provide enablement for applying particulates coated with maleic anhydride to a film. Applicant respectfully disagrees. Page 6, lines 4 to 9 of the specification teaches that a surface treatment 30 is added to particulates 16 to enhance adhesion of the particulates 16 to a polymer film 12. The surface treatment 30 helps to adhere the particulates 16 to the film 12, supporting the addition of a particulate having a coating of maleic anhydride to a film 12. Claim 27 is supported by the specification, and Applicant respectfully request that the rejection be withdrawn.

Claims 1-4, 22, 23, 26, 29, 31-35 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bentley (U.S. Patent No. 4,848,314) in view of Kaneko (U.S. Patent No. 4,421,789) and further in view of Rickert (U.S. Patent No. 4,181,773) or Stewart (U.S. Patent No. 4,921,646) or Steele (U.S. Patent No. 4,264,250), hereafter the "alternate references. Claims 5 and 28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bentley in view of Kaneko, the alternate references and further in view of McCulloch (U.S. Patent No. 3,973,510). Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Bentley in view of Kaneko, the alternate reference and further in view of Linford (U.S. Patent No. 6,132,801). Claim 25 is rejected under 35 U.S.C. 103(a) as being unpatentable over Bentley in view of Kaneko, the alternate references and further in view of Hayakawa (U.S. Patent No. 6,013,372).

The Examiner contends that Bentley teaches a heat exchanger formed by laminating a thermoplastic polymer sheet material to a metal surface. The Examiner admits that Bentley does not teach the use of polar particulates. The Examiner states that Kaneko teaches a heat exchanger including a coating with silica particles. The Examiner further states that Steele teaches wollastonite, Rickert teaches alumina, and Stewart teaches talc, and it would be obvious

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to employ these materials in the heat exchanger of Bentley because of Kaneko and the alternate references. Applicant respectfully disagrees.

The claimed invention is not obvious. The claims have been amended to recite that the method of making the film includes the steps of embedding the plurality of polar particles into the film with a roller and regulating a temperature of the roller to regulate a temperature of the film. None of the references teach, suggest or disclose these features. Bentley is silent regarding the method of making the film. Bentley only discloses that a layer of corrosion resistant material 92 is adhesively bonded to a metal sheet blank 72. Kaneko also does not disclose regulating a temperature of a roller to regulate a temperature of a film as claimed. In Kaneko, a film is adhered to a metal heat exchanger. However, Kaneko does not teach, suggest or disclose regulating a temperature of a roller to regulate the temperature of the film. Kaneko does not teach any temperature regulation of the film or a roller as claimed. The alternate references also do not disclose temperature regulation of a roller or a film. McCulloch, Linford and Hayakawa also do not disclose, suggest or teach these features. Therefore, the combination of the references does not teach, suggest or disclose the claimed invention. The claimed invention is not obvious, and Applicant respectfully requests that the rejection be withdrawn.

Thus, claims 1-3, 5, 7, 22, 25-27 and 29-40 are in condition for allowance. No additional fees are seen to be required. The Commissioner is authorized to charge Deposit Account No. 03-0835, in the name of Carrier Corporation, \$50.00 for one claim in excess of twenty. If any additional fees are due, however, the Commissioner is authorized to charge Deposit Account No. 50-1482, in the name of Carlson, Gaskey & Olds, P.C., for any additional fees or credit the account for any overpayment. Therefore, favorable reconsideration and allowance of this application is respectfully requested.

Respectfully Submitted,

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CERTIFICATE OF FACSIMILE

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, (703) 872-9306 on March 17, 2005.


Amy Spaulding